

Sum 1739

- WHAT IS CLAIMED IS:
1. A polypeptide residues derived from a
 2. A polypeptide each said acid residue an amino acid residue
 3. A polypeptide
- $A-(R)_m-B$
- wherein m is an integer are, the same or different residue introducing a s a reactive group of the of R's are, the same or having no strong acid r each side chain of the a be protected; A is a hydro of N-terminus or an amino acid; and B is a hydroxy C-terminus.
4. A polypeptide represented by the formula
- $A-(R^1)_m-B$
- wherein R¹'s are, the same an amino acid residue in



4. A polypeptide according to Claim 3, which is represented by the formula:



wherein R1's are, the same or different, independently
an amino acid residue introducing a strong acid residue

thereinto via a reactive group of the amino acid residue; m' is an integer of 3 or more; and A and B are as defined in Claim 3.

5. A polypeptide according to Claim 3, which is represented by the formula:



wherein m' is an integer of 3 or more; at least three R^1 's are the same or different, independently an amino acid residue introducing a strong acid residue thereinto via a reactive group of the amino acid residue; each R^2 is an amino acid residue having no strong acid residue, each reactive group in each side chain of the amino acid residue being able to be protected; n is an integer of 1 or more; and A and B are as defined in Claim 3.

6. A combined product of the polypeptide of Claim 1 and a substance having affinity for an analyte to be measured in a sample derived from a living body.

7. A compound comprising the polypeptide of Claim 1, the N-terminus of which is bound through a spacer to a maleimido group.

8. A combined product of the compound of Claim 7 and a substance having a SH group and affinity for an analyte to be measured in a sample derived from a living body.

9. A compound comprising a maleimido group bound through a spacer to the N-terminus of the polypeptide of

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wherein D is a maleimido group; E is a spacer; and R, m and B are as defined in Claim 3.

10. A compound comprising a maleimido group bound through a spacer to the N-terminus of the polypeptide of Claim 4, said compound represented by the formula:



wherein D is a maleimido group; E is a spacer; and R¹, m' and B are as defined in Claim 4.

11. A compound comprising a maleimido group bound through a spacer to the N-terminus of the polypeptide of Claim 5, said compound represented by the formula:



wherein D is a maleimido group; E is a spacer; and R¹, R², m', n and B are as defined in Claim 5.

12. A reagent for measuring an analyte to be measured in a sample derived from a living body, which comprises a combined product of the polypeptide of Claim 1 and a substance having affinity for the analyte.

13. A reagent for measuring an analyte to be measured in a sample derived from a living body, which

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comprises a combined product of the compound of Claim 7 and a substance having a SH group and affinity for an analyte to be measured in a sample derived from a living body.

14. A process for measuring a living body component which comprises

reacting a sample derived from a living body with a reagent of Claim 12,
separating the resulting complex, and
determining the amount of the living body compound in the sample on the basis of the amount of the complex.

15. A process according to Claim 14, wherein the separation of the resulting complex is conducted by a method applying negative charge.

16. A process according to Claim 15, wherein the method applying negative charge is a method using an anion exchanger.

17. A process according to Claim 15, wherein the separation of the resulting complex is conducted by using an anion exchanger, and a surfactant is added to an eluent used for the anion exchanger.

18. A process for measuring a living body component which comprises

reacting a sample derived from a living body with a reagent of Claim 13,
separating the resulting complex, and
determining the amount of the living body

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19. A process according to Claim 18, wherein the separation of the resulting complex is conducted by a method applying negative charge.

20. A process according to Claim 19, wherein the method applying negative charge is a method using an anion exchanger.

21. A process according to Claim 19, wherein the separation of the resulting complex is conducted by using an anion exchanger, and a surfactant is added to an eluent used for the anion exchanger.